Eenjun Hwang

List of Publications by Year
in descending order

122 papers	2,100 citations	304368 22 h-index	288905 40 g-index
126 all docs	126 docs citations	126 times ranked	1470 citing authors

#	Article	IF	Citations
1	Improving Electric Energy Consumption Prediction Using CNN and Bi-LSTM. Applied Sciences (Switzerland), 2019, 9, 4237.	1.3	149
2	Recurrent inception convolution neural network for multi short-term load forecasting. Energy and Buildings, 2019, 194, 328-341.	3.1	142
3	Hybrid Short-Term Load Forecasting Scheme Using Random Forest and Multilayer Perceptron. Energies, 2018, 11, 3283.	1.6	104
4	Music emotion classification and context-based music recommendation. Multimedia Tools and Applications, 2010, 47, 433-460.	2.6	101
5	Multiple Pass Ultrasound Tightening of Skin Laxity of the Lower Face and Neck. Dermatologic Surgery, 2012, 38, 20-27.	0.4	91
6	Combination of short-term load forecasting models based on a stacking ensemble approach. Energy and Buildings, 2020, 216, 109921.	3.1	78
7	Utilizing venation features for efficient leaf image retrieval. Journal of Systems and Software, 2008, 81, 71-82.	3.3	65
8	A comparative analysis of artificial neural network architectures for building energy consumption forecasting. International Journal of Distributed Sensor Networks, 2019, 15, 155014771987761.	1.3	65
9	A similarity-based leaf image retrieval scheme: Joining shape and venation features. Computer Vision and Image Understanding, 2008, 110, 245-259.	3.0	62
10	An Attention-Based Multilayer GRU Model for Multistep-Ahead Short-Term Load Forecasting. Sensors, 2021, 21, 1639.	2.1	55
11	Multiple Electric Energy Consumption Forecasting Using a Cluster-Based Strategy for Transfer Learning in Smart Building. Sensors, 2020, 20, 2668.	2.1	52
12	Forecasting power consumption for higher educational institutions based on machine learning. Journal of Supercomputing, 2018, 74, 3778-3800.	2.4	51
13	Conditional Tabular GAN-Based Two-Stage Data Generation Scheme for Short-Term Load Forecasting. IEEE Access, 2020, 8, 205327-205339.	2.6	42
14	Monthly Electric Load Forecasting Using Transfer Learning for Smart Cities. Sustainability, 2020, 12, 6364.	1.6	39
15	Querying Video Libraries*. Journal of Visual Communication and Image Representation, 1996, 7, 44-60.	1.7	38
16	Bagging Ensemble of Multilayer Perceptrons for Missing Electricity Consumption Data Imputation. Sensors, 2020, 20, 1772.	2.1	35
17	Habitat Suitability Estimation Using a Two-Stage Ensemble Approach. Remote Sensing, 2020, 12, 1475.	1.8	32
18	A Two-Stage Industrial Load Forecasting Scheme for Day-Ahead Combined Cooling, Heating and Power Scheduling. Energies, 2020, 13, 443.	1.6	32

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19	Multistep-Ahead Solar Radiation Forecasting Scheme Based on the Light Gradient Boosting Machine: A Case Study of Jeju Island. Remote Sensing, 2020, 12, 2271.	1.8	31
20	Solving the Cold-Start Problem in Short-Term Load Forecasting Using Tree-Based Methods. Energies, 2020, 13, 886.	1.6	29
21	Smart and intelligent energy monitoring systems: A comprehensive literature survey and future research guidelines. International Journal of Energy Research, 2021, 45, 3590-3614.	2.2	29
22	Mid-term electricity load prediction using CNN and Bi-LSTM. Journal of Supercomputing, 2021, 77, 10942-10958.	2.4	28
23	A Short-Term Electric Load Forecasting Scheme Using 2-Stage Predictive Analytics. , 2018, , .		26
24	FMF: Query adaptive melody retrieval system. Journal of Systems and Software, 2006, 79, 43-56.	3.3	23
25	MUSEMBLE: A novel music retrieval system with automatic voice query transcription and reformulation. Journal of Systems and Software, 2008, 81, 1065-1080.	3.3	23
26	Environmental sound classification based on feature collaboration. , 2009, , .		23
27	Sliding window-based LightGBM model for electric load forecasting using anomaly repair. Journal of Supercomputing, 2021, 77, 12857-12878.	2.4	22
28	Augmented EMTCNN: A Fast and Accurate Facial Landmark Detection Network. Applied Sciences (Switzerland), 2020, 10, 2253.	1.3	21
29	Robust building energy consumption forecasting using an online learning approach with R ranger. Journal of Building Engineering, 2022, 47, 103851.	1.6	21
30	Local feature-based multi-object recognition scheme for surveillance. Engineering Applications of Artificial Intelligence, 2012, 25, 1373-1380.	4.3	20
31	Animal Movement Prediction Based on Predictive Recurrent Neural Network. Sensors, 2019, 19, 4411.	2.1	19
32	A Robust Prediction Model for Species Distribution Using Bagging Ensembles with Deep Neural Networks. Remote Sensing, 2021, 13, 1495.	1.8	18
33	A Hybrid Multi-Objective Optimizer-Based SVM Model for Enhancing Numerical Weather Prediction: A Study for the Seoul Metropolitan Area. Sustainability, 2022, 14, 296.	1.6	18
34	Skin texture aging trend analysis using dermoscopy images. Skin Research and Technology, 2014, 20, 486-497.	0.8	17
35	Simplified FrÃ©chet Distance for Generative Adversarial Nets. Sensors, 2020, 20, 1548.	2.1	16
36	A user opinion and metadata mining scheme for predicting box office performance of movies in the social network environment. New Review of Hypermedia and Multimedia, 2013, 19, 259-272.	0.9	15

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37	Music Ontology for Mood and Situation Reasoning to Support Music Retrieval and Recommendation. , 2009, , .		14
38	Interpretable Short-Term Electrical Load Forecasting Scheme Using Cubist. Computational Intelligence and Neuroscience, 2022, 2022, 1-20.	1.1	14
39	A Leaf Image Retrieval Scheme Based on Partial Dynamic Time Warping and Two-Level Filtering. , 2007, , .		13
40	Skin feature extraction and processing model for statistical skin age estimation. Multimedia Tools and Applications, 2013, 64, 227-247.	2.6	13
41	Classification and indexing scheme of large-scale image repository for spatio-temporal landmark recognition. Integrated Computer-Aided Engineering, 2015, 22, 201-213.	2.5	13
42	Analysis of eavesdropping attack in mmWave-based WPANs with directional antennas. Wireless Networks, 2017, 23, 355-369.	2.0	13
43	A Short-Term Load Forecasting Scheme Based on Auto-Encoder and Random Forest. Lecture Notes in Electrical Engineering, 2019, , 138-144.	0.3	13
44	Explainable Anomaly Detection for District Heating Based on Shapley Additive Explanations. , 2020, , .		13
45	Hierarchical querying scheme of human motions for smart home environment. Engineering Applications of Artificial Intelligence, 2012, 25, 1301-1312.	4.3	12
46	TwitterTrends: a spatio-temporal trend detection and related keywords recommendation scheme. Multimedia Systems, 2015, 21, 73-86.	3.0	12
47	Real-time car tracking system based on surveillance videos. Eurasip Journal on Image and Video Processing, 2018, 2018, .	1.7	12
48	Robust facial landmark extraction scheme using multiple convolutional neural networks. Multimedia Tools and Applications, 2019, 78, 3221-3238.	2.6	12
49	A Two-Stage Multistep-Ahead Electricity Load Forecasting Scheme Based on LightGBM and Attention-BiLSTM. Sensors, 2021, 21, 7697.	2.1	12
50	Wrinkle feature-based skin age estimation scheme. , 2009, , .		10
51	Skin Aging Estimation Scheme Based on Lifestyle and Dermoscopy Image Analysis. Applied Sciences (Switzerland), 2019, 9, 1228.	1.3	10
52	BCGAN: A CGAN-based over-sampling model using the boundary class for data balancing. Journal of Supercomputing, 2021, 77, 10463-10487.	2.4	10
53	Self-Attention-Based Deep Learning Network for Regional Influenza Forecasting. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 922-933.	3.9	10
54	Music Information Retrieval Using a GA-based Relevance Feedback. , 2007, , .		9

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55	Twitter news-in-education platform for social, collaborative, and flipped learning. Journal of Supercomputing, 2018, 74, 3564-3582.	2.4	9
56	Real-Time Facial Feature Extraction Scheme Using Cascaded Networks. , 2019, , .		9
57	IoT-based personalized NIE content recommendation system. Multimedia Tools and Applications, 2019, 78, 3009-3043.	2.6	9
58	Machine Learning-Based Two-Stage Data Selection Scheme for Long-Term Influenza Forecasting. Computers, Materials and Continua, 2021, 68, 2945-2959.	1.5	9
59	Measurement-based multi-call voice frame grouping in Internet telephony. IEEE Communications Letters, 2002, 6, 199-201.	2.5	8
60	Music Retrieval and Recommendation Scheme Based on Varying Mood Sequences. International Journal on Semantic Web and Information Systems, 2010, 6, 1-16.	2.2	8
61	Facial Landmark Extraction Scheme Based on Semantic Segmentation. , 2018, , .		8
62	An Automatic Virtual Makeup Scheme Based on Personal Color Analysis. , 2018, , .		8
63	COMUS: Ontological and Rule-Based Reasoning for Music Recommendation System. Lecture Notes in Computer Science, 2009, , 859-866.	1.0	8
64	Implementing situation-aware and user-adaptive music recommendation service in semantic web and real-time multimedia computing environment. Multimedia Tools and Applications, 2013, 65, 259-282.	2.6	7
65	Evaluation of Hair and Scalp Condition Based on Microscopy Image Analysis. , 2017, , .		7
66	Artificial intelligence technology for diagnosing COVID-19 cases: a review of substantial issues. European Review for Medical and Pharmacological Sciences, 2020, 24, 9226-9233.	0.5	7
67	An Efficient Voice Transcription Scheme for Music Retrieval. , 2007, , .		6
68	TrendsSummary: a platform for retrieving and summarizing trendy multimedia contents. Multimedia Tools and Applications, 2014, 73, 857-872.	2.6	6
69	Music structure analysis using self-similarity matrix and two-stage categorization. Multimedia Tools and Applications, 2015, 74, 287-302.	2.6	6
70	Social mix: automatic music recommendation and mixing scheme based on social network analysis. Journal of Supercomputing, 2015, 71, 1933-1954.	2.4	6
71	2-Stage Electric Load Forecasting Scheme for Day-Ahead CCHP Scheduling. , 2019, , .		6
72	Video-based learning assistant scheme for sustainable education. New Review of Hypermedia and Multimedia, 2019, 25, 161-181.	0.9	6

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73	Real-time shape tracking of facial landmarks. Multimedia Tools and Applications, 2020, 79, 15945-15963.	2.6	6
74	Constructing Differentiated Educational Materials Using Semantic Annotation for Sustainable Education in IoT Environments. Sustainability, 2018, 10, 1296.	1.6	5
75	FLSNet: Robust Facial Landmark Semantic Segmentation. IEEE Access, 2020, 8, 116163-116175.	2.6	5
76	Cluster-Based Analysis of Infectious Disease Occurrences Using Tensor Decomposition: A Case Study of South Korea. International Journal of Environmental Research and Public Health, 2020, 17, 4872.	1.2	5
77	A Comparative Analysis of Tree-Based Models for Day-Ahead Solar Irradiance Forecasting. , 2021, , .		5
78	Accurate Wrinkle Representation Scheme for Skin Age Estimation. , 2011, , .		4
79	Motion Sequence-Based Human Abnormality Detection Scheme for Smart Spaces. Wireless Personal Communications, 2011, 60, 507-519.	1.8	4
80	Location-Based Large-Scale Landmark Image Recognition Scheme for Mobile Devices. , 2012, , .		4
81	Tertiary hash tree-based index structure for high dimensional multimedia data. Multimedia Tools and Applications, 2012, 61, 51-68.	2.6	4
82	Multi‐camera‐based security log management scheme for smart surveillance. Security and Communication Networks, 2014, 7, 1517-1527.	1.0	4
83	An Electric Load Forecasting Scheme for University Campus Buildings Using Artificial Neural Network and Support Vector Regression. KIPS Transactions on Computer and Communication Systems, 2016, 5, 293-302.	0.1	4
84	M-MUSICS: an intelligent mobile music retrieval system. Multimedia Systems, 2011, 17, 313-326.	3.0	3
85	Music segmentation and summarization based on self-similarity matrix. , 2013, , .		3
86	Twitter News in Education Platform for Collaborative Learning. , 2016, , .		3
87	Monitoring skin condition using life activities on the SNS user documents. Multimedia Tools and Applications, 2018, 77, 9827-9847.	2.6	3
88	Hybrid Segmentation Scheme for Skin Features Extraction Using Dermoscopy Images. Computers, Materials and Continua, 2021, 69, 801-817.	1.5	3
89	Evaluating Skin Hereditary Traits Based on Daily Activities. Lecture Notes in Electrical Engineering, 2014, , 261-270.	0.3	3
90	A Probabilistic Short-Term Solar Radiation Prediction Scheme Based on Attention Mechanism for Smart Island. KIISE Transactions on Computing Practices, 2019, 25, 602-609.	0.1	3

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91	Power Consumption Forecasting Scheme for Educational Institutions Based on Analysis of Similar Time Series Data. Journal of KIISE, 2017, 44, 954-965.	0.0	3
92	An end-to-end face parsing model using channel and spatial attentions. Measurement: Journal of the International Measurement Confederation, 2022, 191, 110807.	2.5	3
93	A Meta-Heuristic Optimization Based Less Imperceptible Adversarial Attack on Gait Based Surveillance Systems. Journal of Signal Processing Systems, 0, , 1.	1.4	3
94	Presentation planning for distributed VoD systems. IEEE Transactions on Knowledge and Data Engineering, 2002, 14, 1059-1077.	4.0	2
95	M-MUSICS. , 2007, , .		2
96	Voice Query Transcription and Expansion Scheme for Efficient Music Retrieval. , 2007, , .		2
97	Content-based scene segmentation scheme for efficient multimedia information retrieval. International Journal of Wireless and Mobile Computing, 2009, 3, 299.	0.1	2
98	Shape-based indexing scheme for camera view invariant 3-D object retrieval. Multimedia Tools and Applications, 2010, 47, 7-29.	2.6	2
99	Classification-Based Skin Aging Analysis Scheme. , 2010, , .		2
100	Tertiary Hash Tree: Indexing Structure for Content-Based Image Retrieval. , 2010, , .		2
101	Skin microrelief profiles as a cutaneous aging index. Microscopy (Oxford, England), 2016, 65, 407-414.	0.7	2
102	Scenario Based Dynamic Content Management System for e-Learning Environment. , 2016, , .		2
103	An Educational Video Scoring Scheme for Level and Topic-based Recommendation. , 2018, , .		2
104	UFC-Net with Fully-Connected Layers and Hadamard Identity Skip Connection for Image Inpainting. Computers, Materials and Continua, 2021, 68, 3447-3463.	1.5	2
105	Detecting Mode Drop and Collapse in GANs Using Simplified Frächet Distance. Journal of KIISE, 2019, 46, 1012-1019.	0.0	2
106	An Adaptation Framework for QBH-Based Music Retrieval. , 2007, , 596-603.		2
107	Application-Layer Protocol for Collaborative Multimedia Presentations. Multimedia Tools and Applications, 2003, 21, 103-123.	2.6	1
108	Implementation of an Aquatic Plant Information Bank. , 2007, , .		1

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109	MUSEMBLE: A Music Retrieval System Based on Learning Environment. , 2007, , .		1
110	An indexing scheme for efficient camera angle invariant image retrieval. , 2008, , .		1
111	A Voronoi-Based Hybrid Navigation System for Road Network Database. , 2008, , .		1
112	Converting image to a gateway to an information portal for digital signage. Multimedia Tools and Applications, 2014, 71, 263-278.	2.6	1
113	Power consumption analysis of priority-based service differentiation scheme for LR-WPANs. International Journal of Electronics, 2016, 103, 1018-1028.	0.9	1
114	Two-stage person re-identification scheme using cross-input neighborhood differences. Journal of Supercomputing, 2022, 78, 3356-3373.	2.4	1
115	Person Re-Identification in Movies/Dramas. , 2020, , .		1
116	A shape-based camera angle-invariant retrieval scheme for 3D objects. International Journal of Intelligent Systems Technologies and Applications, 2011, 10, 171.	0.2	0
117	A new method for evaluating postacne scarring. Skin Research and Technology, 2012, 18, 384-385.	0.8	0
118	Semantic Enrichment of Twitter News for Differentiated STEAM Education. , 2018, , .		0
119	Person Re-identification Scheme Using Cross-Input Neighborhood Differences. Transactions on Computational Science and Computational Intelligence, 2021, , 825-831.	0.3	0
120	Training-Data Generation and Incremental Testing for Daily Peak Load Forecasting. Transactions on Computational Science and Computational Intelligence, 2021, , 807-815.	0.3	0
121	Music Retrieval and Recommendation Scheme Based on Varying Mood Sequences. , 0, , 257-273.		0
122	A Cross-age Kinship Verification Scheme Using Face Age Transfer Model. , 2022, , .		0